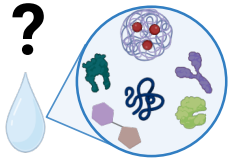
Investigating the Salivary Biomarker Profile in Obesity: A Systematic Review



Saliva

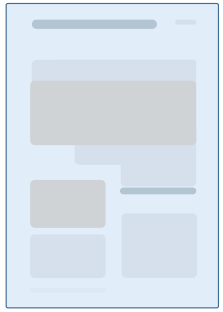
Database search

- PubMed
- Embase
- Web of Science
- Scopus
- ScienceDirect

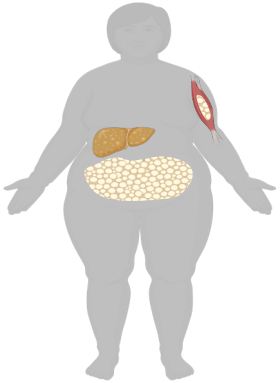
Screening for eligibility

- ***Population:*** adults with obesity; BMI ≥30 kg/m^2
- ***Intervention***: salivary biomarkers
- ***Comparison***: adults without obesity; BMI 18.5-24.99 kg/m²
- ***Outcome:*** salivary biomarkers associated with obesity

Included studies



Data synthesis



Key salivary biomarkers:

↑ 8-OHdG
↑ IL-6
↑ IL-8
↑ TNF-a
↑ TNFR1
↑ PTX-3
↑ AEA
↑ OEA
↑ sICAM-1

Metabolically Unhealthy Obesity

Features:

BMI≥30 kg/m^2
↑ Adiposity
↑ Inflammation
↓ Adipose tissue function
↑ Insulin resistance